



**Bellcomm**

955 L'Enfant Plaza North, S.W.  
Washington, D. C. 20024

date: November 18, 1971

to: Distribution

from: R. A. Bass, G. S. Taylor, S. C. Wynn

B71 11021

subject: Computer-Generated View of the  
Descartes Landing Area from the  
LM just after Hi-Gate -- Case 310

MEMORANDUM FOR FILE

The Descartes landing area becomes first visible to the crew as the LM pitches over just a few seconds after hi-gate. The attached scene is a computer-generated representation of what the Commander and LM pilot will see at that time.

The lunar surface is represented by a grid composed of constant latitude and longitude lines twenty-five meters apart. The elevation associated with each intersection was provided by TOPOCOM who digitized both the 1/25,000 and 1/100,000 scale maps of the Descartes region. The data for the region represented by the 1/25,000 scale map was inset into the data of the 1/100,000 scale map (the contact between the two data sets is occasionally evident in the picture, such as the apparent fault line in the upper right hand corner). The grid of data is scanned to eliminate those lines not visible from the point of observation, in this case 3800 meters directly east and 1720 meters above the landing site. The visible lines are plotted in perspective and shadowed areas indicated for a sun elevation of 7°.

*R. A. Bass*

R. A. Bass

*G. S. Taylor*

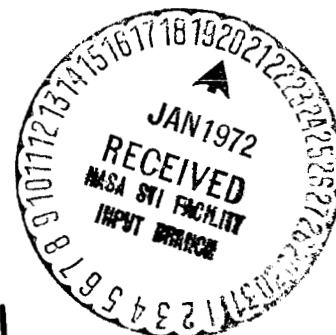
G. S. Taylor

*S. C. Wynn*

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RAB  
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Attachment



FF No. 602(A)

~~REGION NUMBER~~

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~~125363~~

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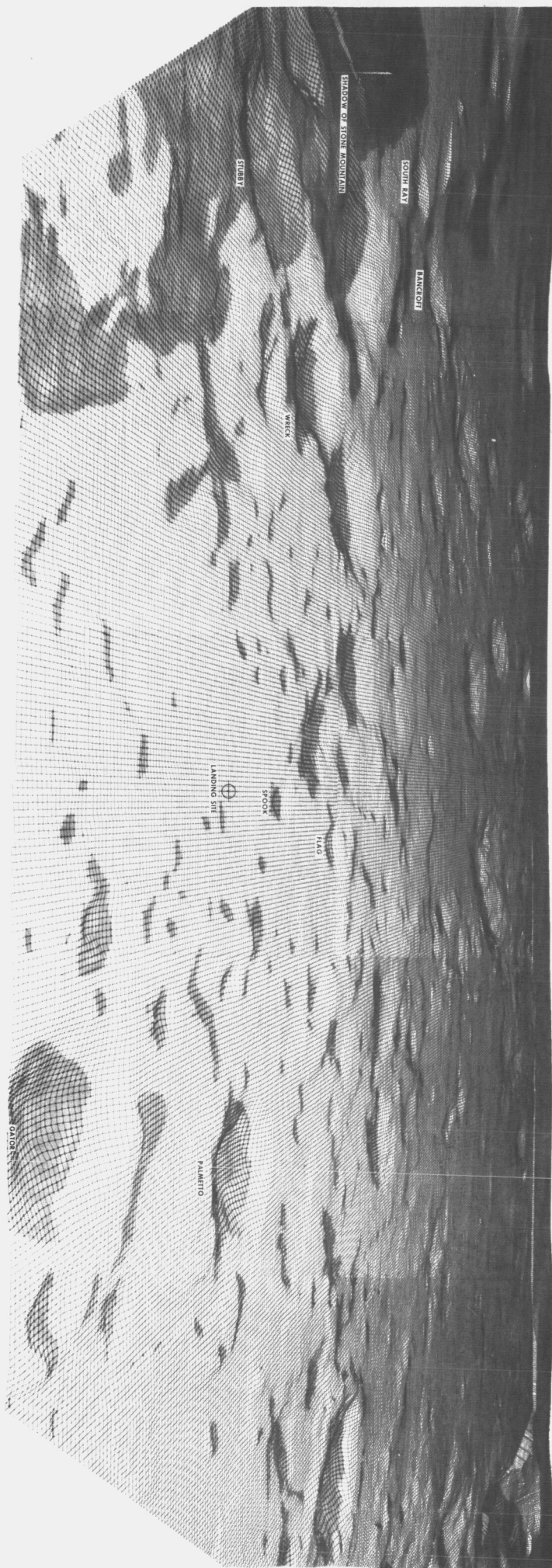
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N79-73361

Unclass  
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(NASA-CR-125363) COMPUTER-GENERATED VIEW OF  
THE DESCARTES LANDING AREA FROM THE LM JUST  
AFTER HI-GATE (Bellcomm, Inc.) 4 P



FIRST VIEW OF THE DESCARTES LANDING AREA DURING DESCENT (H-GATE + 8 SECONDS)



Subject: Computer-Generated View of the  
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From: R. A. Bass, G. S. Taylor, S. C. Wynn

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